

AMPLIFYING DIVERSITY SIGNALS USING POWER AMPLIFIERS

ABSTRACT OF THE DISCLOSURE

A method for amplifying diversity transmit signals includes receiving a transmit signal at a vector modulator, where the vector modulator processes the transmit signal to yield diversity transmit signals, amplifying each of the diversity  
5 transmit signals according to a gain using at least one power amplifier, and transmitting the amplified diversity transmit signals at a plurality of antennas.